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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/815,725	04/02/2004	Huei-Chen Wong	FP10076	9463

7590

02/09/2005

Huei-Chen Wong
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EXAMINER

TAYLOR, APRIL ALICIA

ART UNIT

PAPER NUMBER

2876

DATE MAILED: 02/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/815,725	Applicant(s) WONG, HUEI-CHEN	
	Examiner April A. Taylor	Art Unit 2876	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 April 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 is/are rejected.
- 7) ☒ Claim(s) 2-6 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 April 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Drawings

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: SD Card 60 (pg. 6, line 11), MM Card 63 (pg. 6, line 11), T-shape member 23 (pg. 7, line 4), and wedge 17 (pg. 8, line 14). Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.
2. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the T-shape member and the wedge must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.
3. In addition to Replacement Sheets containing the corrected drawing figure(s), applicant is required to submit a marked-up copy of each Replacement Sheet including annotations indicating the changes made to the previous version. The marked-up copy must be clearly labeled as "Annotated Sheets" and must be presented in the

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amendment or remarks section that explains the change(s) to the drawings. See 37 CFR 1.121(d)(1). Failure to timely submit the proposed drawing and marked-up copy will result in the abandonment of the application.

Specification

4. The disclosure is objected to because of the following informalities:

Substitute "protrusion (81)" with -- protrusion (810) -- (see page 2, line 1).

Substitute "spring plate (80)" with -- spring plate (81) -- (see page 2, line 2).

Substitute "arch (83)" with -- arch (930)-- (see page 2, lines 9, 12, and 13).

Substitute "SD Card" with -- MS Card -- (see page 2, line 14).

Substitute "SD Card (50)" with -- XD Card (50) -- (see page 6, line 16).

Substitute "SD Card (6)" with -- SD Card (60) -- (see page 6, line 20).

Substitute "one the other side" with -- on the other side -- (see page 7, line 11).

Substitute "slight" with -- slightly -- (see page 7, line 13).

Substitute "longer sides (L1)(L3)" with -- longer sides (L2)(L4) -- (see page 8, line 9).

Substitute "shorter sides (L2)(L4)" with -- shorter sides (L1)(L3)-- (see page 8, line 10).

Substitute "slope (17)" with -- slope (170) -- (see page 8, line 15).

Delete "into where" (see page. 8, line 20).

Appropriate correction is required.

Claim Objections

5. Claims 1-6 are objected to because of the following informalities:

Re claim 1: Insert -- and -- after "concave slot" (see line 6).

Re claim 2-6: Substitute "A multi-purpose memory cardholder" with -- The multi-purpose memory cardholder -- (line 1).

Re claim 2: Substitute "the horizontal end" with -- a horizontal end -- (line 4).

Re claim 3: Substitute "grater" with -- greater -- (line 5).

Re claim 4: Substitute "the accommodation chamber" with -- an accommodation chamber -- (line 2).

Re claim 4: Substitute "the inner wall" with -- an inner wall -- (line 2).

Re claim 5: It is unclear to the examiner to what the term "its" refers to (line 4).

Re claim 6: Substitute "the R/W" with -- an R/W -- (line 2).

Re claim 6: Substitute "L-shape with its longer side" with -- a L-shape with a longer side -- (line 3).

Re claim 6: Substitute "its shorter side" with -- a shorter side -- (line 4).

Appropriate correction is required.

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Cheng (US 6,688,521) in view of Liu et al (US 2004/0064619).

Cheng teaches a card reader, which serves as a cardholder as recited in claim 1, having one end provided with slots to receive the insertions of a SD card, MS card, SM card and MM Card adapted to terminals inside the card reader, the card reader being made axially longer at where the slot is provided; a concave being formed at the center (see figure 6; col. 4, lines 5+). Although Cheng shows a four-in-one memory card reader, the memory card reader could also include the usage for all kinds of memory card combination, such as, five-in-one or six-in-one card reader.

Cheng fails to specifically teach or fairly suggest a card reader having a contact for a XD card being inserted through the slot to form a five-in-one memory card reader.

Liu et al teaches a memory card converting device having a slot for receiving different types of memory cards including a XD card (see page 1). In view of Liu et al's teaching, it would have been obvious to an artisan of ordinary skill in the art at the time the invention was made to employ a slot for receiving a XD card to the teachings of Cheng in order to provide a card reader that is capable of reading a memory card that has a higher storage capacity.

Allowable Subject Matter

8. Claims 2-6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

9. The following is a statement of reasons for the indication of allowable subject matter: The prior art of record, taken alone or in combination, fail to teach or fairly suggest, in conjunction with other limitations in the claims, a multi-purpose memory cardholder including a source base plate folded at a right angle; a horizontal end of the source plate is fixed with a T-shape member at the center or the end; and an accommodation chamber surrounded by an inverse L-shape retainer provided on an inner wall of the cardholder close to the front of the spring plate.

Conclusion

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Chen (US 6,672,904) discloses a memory card connector.

Hsiao (US 6,776,653) discloses a 5-in-1 connector.

Yen (US 6,612,492) discloses a four-in-one memory card insertion port.

Kuo (US 6,716,066) discloses a multi-memory card connector.

Chen (US 6,835,100) discloses a multi-in-one connector structure.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to April A. Taylor whose telephone number is (571) 272-2403. The examiner can normally be reached on Monday - Friday from 6:30AM - 4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on (571) 272-2398. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [april.taylor@uspto.gov].

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


AAT

05 February 2005

DANIEL STCYR
PRIMARY EXAMINER

